BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF CLASS ROOM AND RANGAMANDIRA SHELTERS AT BANGALA SCHOOL YELAHANKA OLD TOWN IN KEMPEGOWDA WARD NO :01 YELAHANKA SUB DIVISION

1. DEMOLITION

								Est.Cost.Rs.	**492969.63**
	Description of Item	**Unit**	**No**	**L**	**B**	**D**	**QTY**	**Rate**	**Amount**
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202.(Pg No 139 ,Item No 18.19)								
Ground floor									
At North									
Slab	cum	1	46.81	5.12	0.15	35.95			
Colums	cum	38	0.27	0.27	3.25	9.00			
Beams Shorter	cum	13	5.12	0.27	0.32	5.75			
Beams Longer	cum	2	46.81	0.27	0.32	8.09			
At East									
Slab	cum	1	16.14	7.16	0.15	17.33			
Colums	cum	15	0.38	0.28	3.25	5.19			
Beams Shorter	cum	5	7.16	0.28	0.32	3.21			
Beams Longer	cum	2	16.14	0.28	0.32	2.89			
At South									
Slab	cum	1	38.98	7.93	0.15	46.37			
Colums	cum	33	0.38	0.28	3.65	12.82			
Beams Shorter	cum	11	7.93	0.28	0.9	21.98			
Beams Longer	cum	2	38.98	0.28	0.9	19.65			
Basic rate							1589.00		
Area weightage 8%							127.12		
Total						**188.22**	**1716.12**		**323003.42**
2	KSRRB M200-14.2.Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications **Dismantling brick/Tile work B. In cement mortar**. Pg No.139 Item No.18.23								
Ground floor									
At North									
Longer Wall	Cum	2	39.79	0.20	2.93	46.63			
Shorter Wall	Cum	6	3.90	0.20	2.93	13.71			
At East									
Longer Wall	Cum	2	12.34	0.20	2.93	14.46			
Shorter Wall	Cum	3	4.63	0.20	2.93	8.14			
At South									

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	Area weightage 8%							28.08	
	Total						134.34	379.08	50925.89
3	37.51: Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 270 ,Item No 37.51,								
	Ground Floor								
	Flooring								
	At North	Sqm	1	17.87	3.467		61.96		
		Sqm	1	7.69	3.6		27.67		
		Sqm	1	4.35	3.7		16.11		
		Sqm	1	4.65	3.81		17.73		
		Sqm	1	5.00	3.9		19.50		
		Sqm	1	5.62	3.93		22.09		
	Corridor	Sqm	1	41.21	1.56		64.28		
	At East	Sqm	1	15.70	4.63		72.69		
	Corridor	Sqm	1	16.13	2.06		33.23		
	At South	Sqm	5	7.40	5.65		209.05		
	Corridor	Sqm	1	38.98	2.08		81.08		
	Basic rate							86.00	
	Area weightage 8%							6.88	
	Total						625.38	92.88	58085.28
4	.Dismantling plastering and removing the debris with a lead upto 200m. (P.No.270, I.No. 37.50)								
	Internal plastering								
	Ground Floor								
	At North	Sqm	2	17.87	3.467		123.91		
		Sqm	2	7.687	3.6		55.35		
		Sqm	2	4.354	3.7		32.22		
		Sqm	2	4.653	3.81		35.46		
		Sqm	2	5	3.9		39.00		
		Sqm	2	5.62	3.93		44.17		
	At East	Sqm	2	15.7	4.63		145.38		
	At South	Sqm	10	7.4	5.65		418.10		
	Deduction								
	At North								
	Doors D3	Sqm	-5	0.96		2.1	-10.08		

	Description of Item	Unit	No	L	B	D	QTY	Rate	Amount
	D2	Sqm	-1	0.9		2.1	-1.89		
	Window	Sqm	-22	1.35		1.2	-35.64		
	At East								
	Door D4	Sqm	-2	0.85		2.1	-3.57		
	Window	Sqm	-6	1.5		1.2	-10.80		
	At South								
	Doors D2	Sqm	-5	1		2.1	-10.50		
	Window	Sqm	-10	1.5		1.5	-22.50		
	Basic rate							37.00	
	Area weightage 8%							2.96	
	Total						**798.61**	**39.96**	**31912.36**
5	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	DEBRIS	Cum					432.34		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of Debris (1.3 Tonne/cum.)	For2Kms =2x1.3x2.5						5.20	
	Basic rate							62.20	
	Area weightage 8%							4.98	
	Total						**432.34**	**67.18**	**29042.68**
								TOTAL AMOUNT	**492969.63**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF CLASS ROOM AND RANGAMANDIRA SHELTERS AT BANGALA SCHOOL YELAHANKA OLD TOWN IN KEMPEGOWDA WARD NO :01 YELAHANKA SUB DIVISION

2. BUILDING

								Est.Cost.Rs.	**16312375**
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	C1 Footing	Cum	11	3.7	3.7	1.5	225.88		
	CF1 Footing	Cum	1	5.4	5.2	1.5	42.12		
	CF2 Footing	Cum	1	7	2.6	1.5	27.3		
	CF3 Footing	Cum	7	4.6	4	1.5	193.2		
	SSM Excavation								
	Front Side	Cum	1	13.11	0.75	0.85	8.35		
	Back Side	Cum	1	10.41	0.75	0.85	6.63		
	At Tailor Room	Cum	2	0.7	0.75	0.85	0.89		
		Cum	1	1.1	0.75	0.85	0.7		
	At Corridor								
	longer	Cum	1	10.12	0.75	0.85	6.45		
	Shorter	Cum	1	2	0.75	0.85	1.27		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**512.79**	**484.92**	**248662.13**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1 Footing	Cum	11	3.7	3.7	0.1	15.05		
	CF1 Footing	Cum	1	5.4	5.2	0.1	2.8		
	CF2 Footing	Cum	1	7	2.6	0.1	1.82		
	CF3 Footing	Cum	7	4.6	4	0.1	12.88		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**32.55**	**2623.32**	**85389.07**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1 Footing	Cum	11	3.7	3.7	0.15	22.58		
	CF1 Footing	Cum	1	5.4	5.2	0.15	4.21		
	CF2 Footing	Cum	1	7	2.6	0.15	2.73		
	CF3 Footing	Cum	7	4.6	4	0.15	19.32		
	SSM Below								
	Front Side	Cum	1	13.11	0.75	0.15	1.47		
	Back Side	Cum	1	10.41	0.75	0.15	1.17		
	At Tailor Room	Cum	2	0.7	0.75	0.15	0.15		
		Cum	1	1.1	0.75	0.15	0.12		
	At Corridor								
	longer	Cum	1	10.12	0.75				

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								408.16	
	Area weightage 8%								
	Total						**53.10**	**5510.16**	**292589.50**
4	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
	Above SSM								
	Front Side	Cum	1	33.91	0.6	0.15	3.05		
	Back Side	Cum	1	33.91	0.6	0.15	3.05		
	At Tailor Room	Cum	2	7.1	0.6	0.15	1.27		
		Cum	1	6.2	0.6	0.15	0.55		
	At Corridor								
	longer	Cum	1	24.62	0.6	0.15	2.21		
	Shorter	Cum	1	7.4	0.6	0.15	0.66		
	Basic rate							5422.00	
	Area weightage 8%							433.76	
	Total						**10.79**	**5855.76**	**63183.65**
5	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Front Side	Cum	1	33.91	0.6	0.7	14.24		
	Back Side	Cum	1	33.91	0.6	0.7	14.24		
	At Tailor Room	Cum	2	7.1	0.6	0.7	5.96		
		Cum	1	6.2	0.6	0.7	2.604		
	At Corridor								
	longer	Cum	1	24.62	0.6	0.7	10.3404		
	Shorter	Cum	1	7.4	0.6	0.7	3.108		
	SSM Steps	Cum	1	1.8	0.3	0.75	0.405		
		Cum	1	1.8	0.3	0.6	0.324		
		Cum	1	1.8	0.3	0.45	0.243		
		Cum	1	1.8	0.3	0.3	0.162		
		Cum	1	1.8	0.3	0.15	0.081		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**51.71**	**4963.68**	**256658.99**
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum	From Item no -01				512.79		
	PCC for Footing	Cum	From Item no -03				-53.10		
	Filling in foundation with granite / trap broken metal	Cum	From Item no -02				-32.55		
	SSM Footing	Cum	From Item no -05				-51.71		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**162.51**	**217.08**	**35276.93**
7	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					512.79		
	Filling Available of Excavated Earth						-162.51		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2						5.12	
	Basic rate							62.12	
	Area weightage 8%							4.97	
	Total						**350.28**	**67.09**	**23500.37**
8	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1 Footing	Sqm	11	14.8		0.7	113.96		
	CF1 Footing	Sqm	1	21.2		0.5	10.6		
	Beam	Sqm	1	12.2		0.4	4.88		
	CF2 Footing	Sqm	1	19.2		0.35	6.72		
	Beam	Sqm	1	15.4		0.55	8.47		
	CF3 Footing	Sqm	7	17.2		0.45	54.18		
	Beam	Sqm	7	10		0.45	31.5		
	Colum Up to Plinth Beam								
	C1 Colums	Sqm	11	1.8		0.85	16.83		
	CF1 Colums	Sqm	2	1.8		0.65	2.34		
	CF2 Colums	Sqm	2	1.8		0.65	2.34		
	CF3 Colums	Sqm	7	1.8		0.85	10.71		
		Sqm	7	1.2		0.65	5.46		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**267.99**	**278.64**	**74672.73**
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Longer Direction	Sqm	4	36.31		0.45	65.35		
	Shorter Direction	Sqm	16	9.53		0.45	68.61		
	At Tailor Room	Sqm	4	7.9		0.45	14.22		
		Sqm	2	8		0.45	7.2		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**155.38**	**386.64**	**60076.12**
10	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	C2	Sqm	6	1.08		2.55	16.52		
	New Building								
	C1	Sqm	22	1.8		2.4	95.04		
	C2	Sqm	7	1.2		2.7	22.68		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**305.51**	**492.48**	**150459.53**
11	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Slab	Sqm	1	36.33	9.5		345.14		
		Sqm	1	7.94	8		63.52		
	@ stairs	Sqm	-1	4.8	3.7		-17.76		
	First Floor								
	New Building								
	Slab	Sqm	1	36.33	9.5		345.14		
		Sqm	1	7.94	8		63.52		
	@ stairs	Sqm	-1	4.8	3.7		-17.76		
	Existing building								
	Slab	Sqm	1	20.38	9.42		191.98		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**973.77**	**432**	**420668.47**
12	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab	Sqm	2	36.33		0.15	10.90		
		Sqm	2	9.5		0.15	2.85		
		Sqm	2	7.94		0.15	2.38		
		Sqm	2	8		0.15	2.40		
	@ stairs	Sqm	-2	4.8		0.15	-1.44		
		Sqm	-2	3.7		0.15	-1.11		
	First Floor								
	New Building								
	Slab	Sqm	2	36.33		0.15	10.90		
		Sqm	2	9.5		0.15	2.85		
		Sqm	2	7.94		0.15	2.38		
		Sqm	2	8		0.15	2.40		
	@ stairs	Sqm	-2	4.8		0.15	-1.44		
		Sqm	-2	3.7		0.15	-1.11		
	Existing building								
	Slab	Sqm	2	20.38		0.15	6.11		
		Sqm	2	9.42		0.15	2.83		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**40.90**	**815.4**	**33351.49**
13	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Longer Direction	Sqm	4	36.33		0.45	65.39		
		Sqm	4	8		0.45	14.40		
	Shorter Direction B(300X750)	Sqm	16	9.1		0.6	87.36		
	Tailoring Room B(200X600)	Sqm	4	7.5		0.45	13.50		
	B(300X750)	Sqm	6	10		0.6	36.00		
	Corridor (200X450)	Sqm	2	26.124		0.3	15.67		
		Sqm	2	7.9		0.3	4.74		
	Lintels								
	Through Lintel	Sqm	4	24.09		0.2	19.27		
		Sqm	2	17.2		0.2	6.88		
		Sqm	2	8		0.2	3.20		
	Bottom	Sqm	2	24.09	0.2		9.64		
		Sqm	1	17.2	0.2		3.44		
		Sqm	1	8	0.2		1.60		
	First Floor								
	New Building								
	Beams								
	B(200X600)								
	Longer Direction	Sqm	4	36.33		0.45	65.39		
		Sqm	4	8		0.45	14.40		
	Shorter Direction B(300X750)	Sqm	16	9.1		0.6	87.36		
	Tailoring Room B(200X600)	Sqm	4	7.5		0.45	13.50		
	B(300X750)	Sqm	6	10		0.6	36.00		
	Corridor (200X450)	Sqm	2	26.124		0.3	15.67		
		Sqm	2	7.9		0.3	4.74		
	Lintels								
	Through Lintel	Sqm	4	24.09		0.2	19.27		
		Sqm	6	8		0.2	9.60		
	Bottom	Sqm	2	24.09	0.2		9.64		
		Sqm	3	8	0.2		4.80		
	Existing building								
	Beams								
	B(200*600)								
	Longer Direction	Sqm	4	20.38		0.45	36.68		
	Shorter Direction	Sqm	12	9.02		0.45	48.71		
	Corridor (200X450)	Sqm	2	20.38		0.3	12.23		
	Lintels								
	Through Lintel	Sqm	4	17.57		0.2	14.06		
	Bottom	Sqm	2	17.57	0.2		7.03		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**680.18**	**315.36**	**214500.56**
14	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Ground Floor								
	Stairs								
	Waist slab	Sqm	2	3.3	1.8		11.88		
	Waist slab Side	Sqm	4	3.3		0.1755	2.32		
	First flite landing	Sqm	1	3.7	1.8		6.66		
	Landing Side	Sqm	1	7.3		0.15	1.10		
	Riser	Sqm	19	1.8		0.0226			

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Waist slab	Sqm	2	3.3	1.8		11.88		
	Waist slab Side	Sqm	4	3.3		0.1755	2.32		
	First flite landing	Sqm	1	3.7	1.8		6.66		
	Landing Side	Sqm	1	7.3		0.15	1.10		
	Riser	Sqm	19	1.8		0.0225	0.77		
	Stairs Beam	Sqm	1	3.7		0.8	2.96		
	Existing Building								
	Stairs								
	Waist slab	Sqm	2	3.1	1.1	0.15			
	Waist slab Side	Sqm	4	3.1		0.1755			
	First flite landing	Sqm	1	2.4	1.2				
	Landing Side	Sqm	1	4.8		0.15			
	Riser	Sqm	20	1.1		0.0225			
	Stairs Beam	Sqm	1	2.4		0.6			
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**51.36**	**561.60**	**28845.01**
15	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Ground Floor								
	W1	Sqm	16	2.1	0.6		20.16		
	Front	Sqm	16	2.1		0.1	3.36		
	Sides	Sqm	32	0.6		0.1	1.92		
	First Floor								
	New Building								
	W1	Sqm	12	2.1	0.6		15.12		
	Front	Sqm	12	2.1		0.1	2.52		
	Sides	Sqm	24	0.6		0.1	1.44		
	Existing building								
	W1	Sqm	4	2.1	0.6		5.04		
	Front	Sqm	4	2.1		0.1	0.84		
	Sides	Sqm	8	0.6		0.1	0.48		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						**50.88**	**348.84**	**17748.98**
16	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1 Footing	**Cum**	**11**	**3.7**	**3.7**	**0.7**	105.413		
	CF1 Footing	Cum	1	5.4	5.2	0.5	14.04		
	Beam	Cum	1	5.4	0.7	0.4	1.512		
	CF2 Footing	Cum	1	7	2.6	0.35	6.37		
	Beam	Cum	1	7	0.7	0.55	2.695		
	CF3 Footing	Cum	7	4.6	4	0.45	57.96		
	Beam	Cum	7	4.6					

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	CF2 Colums	Cum	2	0.6	0.3	0.65	0.23		
	CF3 Colums	Cum	7	0.6	0.3	0.85	1.07		
		Cum	7	0.3	0.3	0.65	0.4		
	Plinth Beam								
	Longer Direction	Cum	2	36.31	0.2	0.45	6.53		
	Shorter Direction	Cum	8	9.53	0.2	0.45	6.86		
	At Tailor Room	Cum	2	7.9	0.2	0.45	1.42		
		Cum	1	8	0.2	0.45	0.72		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						212.93	6276.96	1336527.98
17	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Colums								
	C1	Cum	22	0.6	0.3	2.4	9.50		
	C2	Cum	7	0.3	0.3	2.7	1.70		
	Lintels								
	Through Lintel	Cum	2	24.09	0.2	0.2	1.93		
		Cum	1	17.2	0.2	0.2	0.69		
		Cum	1	8	0.2	0.2	0.32		
	Stairs								
	Waist slab	Cum	2	3.3	1.8	0.15	1.78		
	First flite landing	Cum	1	3.7	1.8	0.15	1.00		
	Steps	Cum	19	1.8		0.0225	0.77		
			Triangular area 0.5*.15*.3=0.022						
	Stairs Beam	Cum	1	3.7	0.2	0.3	0.22		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						17.91	6528.60	116944.85
	First Floor								
	Existing building								
	Colums								
	C1	Cum	15	0.45	0.25	2.55	4.30		
	C2	Cum	6	0.27	0.27	2.55	1.12		
	Lintels								
	Through Lintel	Cum	2	17.57	0.2	0.2	1.41		
	Stairs								
	Waist slab	Cum	2	3.1	1.1	0.15	1.02		
	First flite landing	Cum	1	2.4	1.2	0.15	0.43		
	Steps	Cum	21	1.2		0.0225	0.57		
			Triangular area 0.5*.15*.3=0.022						
	Stairs Beam	Cum	1	2.4	0.2	0.3	0.14		
	New Building								
	Colums								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	3	8	0.2	0.2	0.96		
		Cum	1	7.49	0.2	0.2	0.30		
	Stairs								
	Waist slab	Cum	2	3.3	1.8	0.15	1.78		
	First flite landing	Cum	1	3.7	1.8	0.15	1.00		
	Steps	Cum	19	1.8		0.0225	0.77		
			Triangular area 0.5*.15*.3=0.022						
	Stairs Beam	Cum	1	3.7	0.2	0.3	0.22		
	Basic rate							6045.00	
	Add lift charges for First Floor							60.00	
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						**27.15**	**6593.40**	**179039.79**
18	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Slab	Cum	1	36.33	9.5	0.15	51.77		
		Cum	1	7.94	8	0.15	9.53		
	@ stairs	Cum	-1	4.8	3.7	0.15	-2.66		
	Beams								
	B(200X600)								
	Longer Direction	Cum	2	36.33	0.2	0.45	6.54		
		Cum	2	8	0.2	0.45	1.44		
	Shorter Direction B(300X750)	Cum	8	9.1	0.3	0.6	13.10		
	Tailoring Room B(200X600)	Cum	2	7.5	0.2	0.45	1.35		
	B(300X750)	Cum	3	10	0.3	0.6	5.40		
	Corridor (200X450)	Cum	1	26.124	0.2	0.3	1.57		
		Cum	1	7.9	0.2	0.3	0.47		
	First Floor								
	New Building								
	Slab	Cum	1	36.33	9.5	0.15	51.77		
		Cum	1	7.94	8	0.15	9.53		
	@ stairs	Cum	-1	4.8	3.7	0.15	-2.66		
	Beams								
	B(200X600)								
	Longer Direction	Cum	2	36.33	0.2	0.45	6.54		
		Cum	2	8	0.2	0.45	1.44		
	Shorter Direction B(300X750)	Cum	8	9.1	0.3	0.6	13.10		
	Tailoring Room B(200X600)	Cum	2	7.5	0.2	0.45	1.35		
	B(300X750)	Cum	3	10	0.3	0.6	5.40		
	Corridor (200X450)	Cum	1	26.124	0.2	0.3	1.57		
		Cum	1	7.9	0.2	0.3	0.47		
	Existing building								
	Slab	Cum	1	20.38	9.42	0.15	28.80		
	At Stairs	Cum	-1	4.75	2.4	0.15	-1.71		
	Beams								
	B(200*600)								
	Longer Direction	Cum	2	20.38	0.2	0.45	3.67		
	Shorter Direction	Cum	6	9.02	0.2	0.45	4.87		
	Corridor (200X450)	Cum	1	20.38	0.2	0.3	1.22		
	Basic rate								
	Area weightage 8%							5497.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
19	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Ground Floor								
	Chajja	Sqm	16	2.1	0.6		20.16		
								496	
	Basic rate							39.68	
	Area weightage 8%						**20.16**	**535.68**	**10799.3088**
	Total								
	First Floor								
	New Building								
	Chajja	Sqm	12	2.1	0.6		15.12		
	Existing building								
	Chajja	Sqm	4	2.1	0.6		5.04		
	Basic rate							496.00	
	Add lift charges for First Floor							5.00	
	sub total							501.00	
	Area weightage 8%							40.08	
	Total						**20.16**	**541.08**	**10908.17**
20	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				193.79		
		kg	Steel assumed 130 Kg/Cum of Concrete				25095.3		
		tonne					**25.10**		
	Colomn	Cum	Concrete Quantity				14.82		
		kg	Steel assumed 150 Kg/Cum of Concrete				2222.25		
		tonne					**2.22**		
	Plinth beam	Cum	Concrete Quantity				15.53		
		kg	Steel assumed 160 Kg/Cum of Concrete				2481.69		
		tonne					**2.48**		
	Staircase	Cum	Concrete Quantity				3.77		
		kg	Steel assumed 125 Kg/Cum of Concrete				471.56		
		tonne					**0.47**		
	Beam	Cum	Concrete Quantity				29.87		
		kg	Steel assumed 160Kg/Cum of Concrete				4774.0		
		tonne					**4.77**		
	Roof Slab	Cum	Concrete Quantity				58.63		
		kg	Steel assumed 130Kg/Cum of Concrete				7593.1		
		tonne					**7.59**		
	Lintel	Cum	Concrete Quantity						

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		kg	Steel assumed 100 Kg/Cum of Concrete				201.60		
		tonne					0.20		
	Basic rate							70966.00	
	Area weightage 8%							5677.28	
	Total						43.21	76643.3	3311482.38
	First Floor								
	Colomn	Cum	Concrete Quantity				16.62		
		kg	Steel assumed 150 Kg/Cum of Concrete				2493.52		
		tonne					2.49		
	Staircase	Cum	Concrete Quantity				5.94		
		kg	Steel assumed 125 Kg/Cum of Concrete				742.31		
		tonne					0.74		
	Lintel	Cum	Concrete Quantity				4.29		
		kg	Steel assumed 125 Kg/Cum of Concrete				536.60		
		tonne					0.54		
	Beam	Cum	Concrete Quantity				39.64		
		kg	Steel assumed 160 Kg/Cum of Concrete				6421.56		
		tonne					6.42		
	Roof Slab	Cum	Concrete Quantity				85.72		
		kg	Steel assumed 130 Kg/Cum of Concrete				11238.0		
		tonne					11.24		
	Chajja	Cum	Concrete Quantity				2.02		
		kg	Steel assumed 100 Kg/Cum of Concrete				201.60		
		tonne					0.20		
	Basic rate							70966.00	
	Add lift charges for First Floor							748.00	
	sub total							71714.0	
	Area weightage 8%							5737.12	
	Total						21.63	77451.1	1675550.36
21	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	Long Wall	Sqm	2	24.19		2.55	123.36		
	Short Wall	Sqm	5	6.57		2.55	83.76		
	Tailoring Room	Sqm	2	17.203		2.55	87.73		
		Sqm	3	8		2.55	61.2		
	Deduction								
	Doors	Sqm	-6	1.2		2.1	-15.12		
	Window	Sqm	-22	1.8		1.5	-59.4		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						281.53	984.96	277295.79
	First Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Room	Sqm	2	7.49		2.55	38.19		
			4	7.4		2.55	75.48		
	Deduction								
	Doors	Sqm	-7	1.2		2.1	-17.64		
	Window	Sqm	-22	1.8		1.5	-59.4		
	Existing building								
	Long Wall	Sqm	2	20.36		2.55	103.83		
	Short Wall	Sqm	5	6.57		2.55	83.76		
	Deduction								
	Doors	Sqm	-3	1.2		2.1	-7.56		
	Window	Sqm	-8	1.8		1.5	-21.6		
	Basic rate							912.00	
	Add lift charges for First Floor							35.00	
	sub total							947.00	
	Area weightage 8%							75.76	
	Total						435.69	**1022.76**	**445606.30**
22	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
	Ground Floor								
	Corridor Wall	Sqm	1	28.12		0.9	25.3		
		Sqm	1	10		0.9	9		
	Basic rate							811.00	
	Area weightage 8%							64.88	
	Total						34.30	**875.88**	**30042.68**
	First Floor								
	New Building								
	Corridor Wall	Sqm	1	28.12		0.9	25.3		
		Sqm	1	10		0.9	9		
	Existing Building								
	Corridor Wall	Sqm	1	24.384		0.9	21.94		
	Basic rate							811.00	
	Add lift charges for First Floor							35.00	
	sub total							846.00	
	Area weightage 8%							67.68	
	Total						56.24	**913.68**	**51385.36**
	Terrace Floor								
	New Building								
	Paripit wall	Sqm	2	24.19		0.9	43.54		
		Sqm	2	6.57		0.9	11.82		
	Tailoring Room	Sqm	2	17.203		0.9	30.96		
		Sqm	3	8		0.9	21.6		
	Existing Building								
	Paripit wall	Sqm	2	20.36		0.9	36.64		
		Sqm	2	7.6		0.9	13.68		
	Basic rate							811.00	
	Add lift charges for Second Floor							70.00	
	sub total							881.00	
	Area weightage 8%							70.48	
	Total						158.24		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Ground Floor					3.15	152.397		
	Long Wall	Sqm	2	24.19					
						3.15	47.88		
	Short Wall	Sqm	2	7.6		3.15	50.4		
	Tailoring Room	Sqm	2	8		3.15	108.36		
		Sqm	2	17.2					
						0.9	50.616		
	Corridor Wall	Sqm	2	28.12		0.9	18		
		Sqm	2	10					
	Deduction					2.1	-15.12		
	Doors	Sqm	-6	1.2		1.5	-59.4		
	Window	Sqm	-22	1.8					
								261.00	
	Basic rate							20.88	
	Area weightage 8%							281.88	99541.13
	Total						353.13		
	First Floor								
	New Building								
	Long Wall	Sqm	2	24.19		3.15	152.397		
	Short Wall	Sqm	2	7.6		3.15	47.88		
	Above Tailoring Room	Sqm	2	17.2		3.15	108.36		
		Sqm	4	7.3		3.15	91.98		
	Deduction								
	Doors	Sqm	-7	1.2		2.1	-17.64		
	Window	Sqm	-22	1.8		1.5	-59.4		
	Eisting Building								
	Long Wall	Sqm	2	20.36		3.15	128.268		
	Short Wall	Sqm	2	7.6		3.15	47.88		
	Deduction								
	Doors	Sqm	-3	1.2		2.1	-7.56		
	Window	Sqm	-8	1.8		1.5	-21.6		
	Basic rate							261.00	
	Add Scaffolding charges for First Floor							12.00	
	sub total							273.00	
	Area weightage 8%							21.84	
	Total						470.57	294.84	138741.38
	Terrace Floor								
	New Building								
	Paripit wall	Sqm	2	24.19		0.9	43.54		
			2	6.57		0.9	11.826		
	Existing Building								
	Paripit wall	Sqm	2	20.36		0.9	36.64		
		Sqm	2	7.6		0.9	13.68		
	Basic rate							261.00	
	Add Scaffolding charges for Second Floor							24.00	
	sub total							285.00	
	Area weightage 8%							22.80	
	Total						105.69	307.80	32530.15
24	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Ground Floor								
	Class room	Sqm	8	10.07					

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	Doors	Sqm	-6	1.2		2.1	-15.12		
	Window	Sqm	-22	1.8		1.5	-59.4		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						**432.36**	**220.32**	**95257.56**
	First Floor								
	New Building								
	Class room	Sqm	8	12.97		3	311.28		
		Sqm	2	15.17		3	91.02		
		Sqm	2	15.4		3	92.4		
	Deduction								
	Doors	Sqm	-7	1.2		2.1	-17.64		
	Window	Sqm	-22	1.8		1.5	-59.4		
	Eisting Building								
	Class room	Sqm	4	11.37		3	136.44		
		Sqm	2	15.57		3	93.42		
	Deduction								
	Doors	Sqm	-3	1.2		2.1	-7.56		
	Window	Sqm	-8	1.8		1.5	-21.6		
	Basic rate							204.00	
	Add lift charges for First Floor							6.00	
	sub total							210.00	
	Area weightage 8%							16.80	
	Total						**618.36**	**226.80**	**140244.05**
25	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ground Floor								
	Ceiling								
	Class room	Sqm	4	5.8	7.17		166.34		
	Anganwadi	Sqm	1	8.27	8		66.16		
	Tailoring Room	Sqm	1	8	7.4		59.2		
	Beam	Sqm	1	9.1		1.2	10.92		
		Sqm	1	10		1.2	12		
	Corridor	Sqm	1	28.12	1.9		53.42		
		Sqm	1	10	1.9		19		
	Chajja								
	W1	Sqm	16	2.1	0.6		20.16		
	Front	Sqm	16	2.1		0.1	3.36		
	Sides	Sqm	32	0.6		0.1	1.92		
	Basic rate							225	
	Area weightage 8%							18	
	Total						412.48	243	100232.64
	First Floor								
	New Building								
	Class room	Sqm	4	5.8	7.17		166.34		
		Sqm	1	8	7.17		57.36		
		Sqm	1	8	7.41		59.28		
	Beam	Sqm	1	9.1		1.2	10.92		
		Sqm	1	10		1.2	12		
	Corridor	Sqm	1	28.12	1.9		53.42		
		Sqm	1	10	1.9		19		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Existing Building								
	Class room	Sqm	2	4.2	7.14		59.97		
		Sqm	1	8.47	7.14		60.47		
	Corridor	Sqm	1	20.38	1.9		38.72		
	Chajja								
	W1	Sqm	4	2.1	0.6		5.04		
	Front	Sqm	4	2.1		0.1	0.84		
	Sides	Sqm	8	0.6		0.1	0.48		
	Beam	Sqm	1	9.17		1.2	11.004		
								225	
	Basic rate							6	
	Add lift charges for First Floor							231	
	sub total							18.48	
	Area weightage 8%						573.92	249.48	143182.5595
	Total								
26	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			1050.72		
	ceiling	Sqm	1	same as plastering for beam + ceiling			986.40		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						2037.12	84.24	171607.33
27	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				1050.72		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						1050.72	97.20	102129.98
28	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and				986.40		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						986.40	127.44	125707.33
29	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)								
	External painting								
	Ground Floor	Sqm	Same as External plastering						

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								27.2	
	Area weightage 8%						378.57	367.20	139012.01
	Total						496.01		
	First Floor	Sqm	Same as External plastering +chejja plastering						
								340.00	
	Basic Rate							8.00	
	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							348.00	
	sub total							27.84	
	Area weightage 8%						496.01	375.84	186418.52
	Total						105.69		
	Terrace Floor	Sqm	Same as External plastering +chejja plastering					340.00	
	Basic Rate							16.00	
	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							356.00	
	sub total							28.48	
	Area weightage 8%						105.69	384.48	40634.15
	Total								
30	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51								
	Ground Floor								
	Landing	Sqm	1	3.7	1.8		6.66		
	Tread	Sqm	19	1.80	0.30		10.26		
	Rise	Sqm	20	1.80		0.15	5.4		
	At Slab Landing	Sqm	1	3.70	1.80		6.66		
	Basic rate							4456.00	
	Area weightage 8%							356.48	
	Total						28.98	4812.48	139465.67
	First Floor								
	New Building								
	Landing	Sqm	1	3.7	1.8		6.66		
	Tread	Sqm	19	1.8	0.3		10.26		
	Rise	Sqm	20	1.8		0.15	5.4		
	At Slab Landing	Sqm	1	3.7	1.8		6.66		
	Existing Building								
	Landing	Sqm	1	2.4	1.2		2.88		
	Tread	Sqm	21	1.2	0.3		7.56		
	Rise	Sqm	22	1.2		0.15	3.96		
	At Slab Landing	Sqm	1	2.7	2.4		6.48		
	SSM Steps	Sqm	5	1.8	0.3		2.7		
	Basic Rate							4456.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							4458.00	
	Area weightage 8%							356.64	
	Total						52.56	4814.64	253057.48

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
31	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor								
	Class room	Sqm	4	5.8	7.17		166.34		
	Anganwadi	Sqm	1	8.27	8		66.16		
	Tailoring Room	Sqm	1	8	7.4		59.2		
	Corridor	Sqm	1	28.12	1.9		53.42		
	Basic rate							631.00	
	Area weightage 8%							50.48	
	Total						**345.12**	**681.48**	**235192.38**
	First Floor								
	New Building								
	Class room	Sqm	4	5.8	7.17		166.34		
		Sqm	1	8	7.17		57.36		
		Sqm	1	8	7.41		59.28		
	Corridor	Sqm	1	36.12	1.9		68.62		
		Sqm	1	10	1.9		19		
	Existing Building								
	Class room	Sqm	2	4.2	7.14		59.97		
		Sqm	1	8.47	7.14		60.47		
	Corridor	Sqm	1	20.38	1.9		38.72		
	Basic rate							631.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor							2.00	
	sub total							633.00	
	Area weightage 8%							50.64	
	Total						**529.76**	**683.64**	**362165.13**
32	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.Pg No 112,Item No 14.61.2								
	Ground Floor								
	Flooring								
	Class room	Sqm	4	5.8	7.17		166.34		
	Anganwadi	Sqm	1	8.27	8		66.16		
	Tailoring Room	Sqm	1	8	7.4		59.2		
	Corridor	Sqm	1	28.12	1.9		53.42		
	Basic Rate								
	Area weightage 8%							1979	
	Total							158.32	
33	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1						**345.12**	**2137.32**	**737631.88**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Sqm	1	7.94	8		63.52		
		Sqm	1	9.2	8		73.6		
	@ stairs	Sqm	-1	4.8	3.7		-17.76		
	Existing building								
	Slab	Sqm	1	20.38	9.42		191.97		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						**656.46**	**568.08**	**372921.80**
34	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	Ground Floor								
	Doors	Nos	6				6		
	First Floor								
	New Building								
	Doors	Nos	6				6		
	Existing Building								
	Doors	Nos	3				3		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**15.00**	**1475.28**	**22129.20**
35	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	Ground Floor								
	Doors	Cum	6	6.60	0.150	0.125	0.7425		
	First Floor								
	New Building								
	Doors	Cum	6	6.60	0.150	0.125	0.7425		
	Existing Building								
	Doors	Cum	3	6.60	0.15	0.125	0.37125		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**1.86**	**94612.3**	**175624.12**
36	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground Floor								
	Doors	Sqm	6	1.2		2.1	15.12		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**15.12**	**5099.76**	**77108.37**
	First Floor								
	New Building								
	Doors	Sqm	6	1.2		2.1	15.12		
	Existing Building								
	Doors	Sqm	3	1.2		2.1	7.56		
	Basic rate								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**22.68**	**5104.1**	**115760.53**
37	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Ground Floor								
	Doors	Sqm	6	6.6	0.150		5.94		
		Sqm	6	6.6	0.125		4.95		
	First Floor								
	New Building								
	Doors	Sqm	6	6.6	0.150		5.94		
		Sqm	6	6.6	0.125		4.95		
	Existing Building								
	Doors	Sqm	3	6.6	0.150		2.97		
		Sqm	3	6.6	0.125		2.475		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						27.23	104.76	2852.09
38	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2								
	Ground floor								
	W1	Sqm	22	1.80		1.50	59.4		
	Basic Rate							4435.00	
	Area weightage 8%							354.8	
	Total						59.40	4789.80	284514.12
	First floor								
	New Building								
	W1	Sqm	20	1.80		1.50	54		
	Existing Building								
	W1	Sqm	8	1.80		1.50	21.6		
	Basic Rate							4435.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							4441.00	
	Area weightage 8%							355.28	
	Total						75.60	4796.28	362598.77
39	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Ground Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate							95	
	Area weightage 8%							7.6	
	Total						1247.4	102.6	127983.24
	First Floor								
	W1	kg	28			56.70	1587.6		
				21kg per sqm 1.8*1.5*21=56.7					
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							101.00	
	Area weightage 8%							8.08	
	Total						1587.60	109.08	173175.41
40	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	1	window qty+ventilator qty			135.00		
	Painting for Grill Works	Sqm		window qty			135.00		
	Gate								
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						270.00	102.60	27702.00
41	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38								
	Ground Floor								
	Railing @ 1st flight & 2nd	Sqm	4	3.08		0.9	11.088		
	At Landing	Sqm	1	7.3		0.9	6.57		
	Basic Rate							6021.00	
	Area weightage 8%							481.68	
	Total						17.66	6502.68	114824.32
	First Floor								
	New Building								
	Railing @ 1st flight & 2nd	Sqm	4	3.08		0.9	11.088		
	At Landing	Sqm	1	7.3		0.9	6.57		
	Existing Building								
	Railing @ 1st flight & 2nd	Sqm	4	3.1		0.9	11.16		
	At Landing	Sqm	1	4.8		0.9	4.32		
	Total								
	Basic Rate							6021.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							6027.00	
	Area weightage 8%							482.16	
	Total						33.14	6509.16	215700.54
42	Concealed Conduit System - Supplying 20/25/32 mm dia 2mm thick confirming to IS 2506 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
43	Concealed Conduit System - Supplying 20/25/32 mm dia 2mm thick confirming to IS 2506 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary								
	25mm dia, 2mm thick	Rmt		419.30			419.30		
							419.30	53	22222.9
	Total								
44	e Pg 3 Item 1.12 Supplying and fixing Metal Fan Box with Round Hook Nos 60 135.00 8100								
		Nos	41				41.00		
							41.00	85	3485
	Total								
45	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
		cum	1	36.30	9.3	0.6	202.55		
			1	8.00	7.9	0.6	37.92		
	Basic rate							325.00	
	Area weightage 6%							19.50	
	Total						240.47	344.50	82843.29
							Total Amount		16312375.49
								Demolishen Work	492969.63
								Total Amount	16805345.12
								DPR Charges (1% of estimated cost)	168053.45
								Project management And Consultancy Charges(1% of estimated cost)	168053.45
								Tender Premium (5% of estimated cost)	840267.26
								GST Charges (12% of estimated cost)	2016641.4
								Miscellenious and rounding	1,639.3
								Grand Total	20000000.00

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

RUDRAPRASAD CONSULTANTS BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: RENOVATION OF TELUGU SCHOOL CLASS ROOMS AT CHOWDESHWARI LAYOUT IN CHOWDESHWARI WARD NO-02 YELAHANKA SUB DIVISION

1. BUILDING — **Est.Cost.Rs. 5000000**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	C1	Cum	1	1.4	1.4	1.5	2.94		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						**2.94**	**484.92**	**1425.66**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	C1	Cum	1	1.4	1.4	0.15	0.29		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						**0.29**	**2623.32**	**771.26**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	C1	Cum	1	1.4	1.4	0.1	0.20		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**0.20**	**5510.16**	**1079.99**
4	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footing								
	C1	Sqm	1	5.6		0.3	1.68		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**1.68**	**278.64**	**468.12**
5	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Column upto FFL								
	C1	Sqm	1	1.00		0.95	0.95		
	Ground Floor								
	Column								
	C1	Sqm	1	1		2.85	2.85		
	First Floor								
	Column								
	C1	Sqm	1	1					

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
Second Floor									
Roof Slab									
	Sqm	1	26.2	7.3			191.26		
Corridor	Sqm	1	0.93	9			8.37		
	Sqm	1	26.2	1.7			44.54		
	Sqm	1	2.6	3.7			9.62		
	Sqm	1	1.2	0.6			0.72		
Basic rate								400.00	
Area weightage 8%								32.00	
Total							254.51	432	109948.32
7	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
Second Floor									
Roof Slab									
	Sqm	1	78.66		0.15		11.80		
Basic rate								755.00	
Area weightage 8%								60.40	
Total							11.80	815.4	9620.90
8	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
Second Floor									
Roof Beam									
Beams Side Faces									
B1(230X600									
longer Direction	Sqm	4	26.2		0.3		31.44		
Shorter Direction	Sqm	14	8.8		0.45		55.44		
SB	Sqm	2	2.6		0.45		2.34		
	Sqm	2	7.1		0.45		6.39		
Beams Bottom									
SB	Sqm	1	2.6	0.23			0.60		
	Sqm	1	7.1	0.23			1.63		
Basic rate								292.00	
Area weightage 8%								23.36	
Total							97.84	315.36	30855.14
9	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
Second Floor									
Staircase									
Waist Slab Bottom	Sqm	2	6.6	1.2			15.84		
Landing	Sqm	1	2.6	1.4			3.64		
	Sqm	1	0.6	1.2			0.72		
landing and Waist Slab Bottom Sides	Sqm	1	18.6		0.175		3.255		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**26.88**	**561.60**	**15093.00**
10	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footing								
	C1	Cum	1	1.4	1.4	0.3	0.588		
								5812.00	
	Basic rate							464.96	
	Area weightage 8%							6276.96	**3690.85**
	Total						**0.59**		
11	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Column upto FFL								
	C1	Cum	1	0.2	0.3	0.95	0.057		
	Ground Floor								
	Column								
	C1	Cum	1	0.2	0.3	2.85	0.171		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						**0.23**	**6528.60**	**1488.52**
	First Floor								
	Column								
	C1	Cum	1	0.2	0.3	2.85	0.171		
	Basic rate							6045.00	
	Add lift charges for Second Floor							60.00	
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						**0.17**	**6593.40**	**1127.47**
	Second Floor								
	Column								
	C1	Cum	1	0.2	0.3	2.85	0.171		
	Staircase								
	Waist Slab Bottom	Cum	2	6.6	1.2	0.175	2.772		
	Landing	Cum	1	2.6	1.4	0.175	0.637		
		Cum	1	0.6	1.2	0.175	0.126		
	Rises and Tread	Cum	19	1.2		0.225	5.13		
			0.5*0.3*0.15= 0.225						
	Roof Slab								
		Cum	1	26.2	7.3	0.15	28.69		
	Corridor	Cum	1	0.93	9	0.15	1.26		
		Cum	1	26.2	1.7	0.15	6.68		
		Cum	1	2.6					

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Shorter Direction	Cum	7	8.8	0.23	0.45	6.38		
	SB	Cum	1	2.6	0.23	0.45	0.27		
		Cum	1	7.1	0.23	0.45	0.73		
								6045.00	
	Basic rate							120.00	
	Add lift charges for Second Floor							6165.00	
	sub total							493.20	
	Area weightage 8%							6658.20	386226.54
	Total						**58.01**		
12	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Second Floor								
	Footing	Cum	Concrete Quantity				0.59		
		kg	Steel assumed 100 Kg/Cum of Concrete				58.80		
		tonne					**0.06**		
	Column	Cum	Concrete Quantity				0.57		
		kg	Steel assumed 125 Kg/Cum of Concrete				71.25		
		tonne					**0.07**		
	Staircase	Cum	Concrete Quantity				8.67		
		kg	Steel assumed 125 Kg/Cum of Concrete				1083.13		
		tonne					**1.08**		
	Beam	Cum	Concrete Quantity				11.00		
		kg	Steel assumed 180 Kg/Cum of Concrete				1982.43		
		tonne					**1.98**		
	Roof Slab	Cum	Concrete Quantity				38.18		
		kg	Steel assumed 130 Kg/Cum of Concrete				5069.8		
		tonne					**5.07**		
	Basic rate							70966.00	
	Add lift charges for Second Floor							1496.00	
	sub total							72462.0	
	Area weightage 8%							5796.96	
	Total						**8.27**	**78259.0**	**646844.72**
13	KSRB 6-5.4 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2.Pg No. 30,Item No.6.18								
	First Floor								
	Parapet wall in Passage	cum	1	45.2	0.1	1	4.52		
		Cum	9	2	0.1	2	3.6		
	Basic rate								
	Add lift charges for First Floor							7047.00	
	sub total							60.00	
	Area weightage 8%							7107.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	9	2	0.1	2	3.6		
								7047.00	
	Basic rate							120.00	
	Add lift charges for Second Floor							7167.00	
	sub total							573.36	
	Area weightage 8%						8.12	7740.36	62851.72
	Total								
	Terrace Floor								
	parapet Wall	cum	1	74.46	0.1	0.9	6.7014		
								7047.00	
	Basic rate							180.00	
	Add lift charges for Third Floor							7227.00	
	sub total							578.16	
	Area weightage 8%							7805.16	52305.50
	Total						6.70		
14	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Ground Floor								
	External Plastering								
	Longer Direction	Sqm	1	26.2		3	78.6		
		Sqm	2	7.3		3	43.8		
	near Staircase	Sqm	2	2.6		3	15.6		
	C1	Sqm	1	1		2.85	2.85		
	Deduction								
	W	Sqm	2	1.8		1.4	-5.04		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						135.81	281.88	38282.12
	First Floor								
	External Plastering								
	Longer Direction	Sqm	2	26.2		3	157.2		
		Sqm	2	7.3		3	43.8		
	Parapet wall in Passage	cum	2	45.2		1	90.4		
		Cum	18	2		2	72		
	near Staircase	Sqm	2	2.6		3	15.6		
	C1	Sqm	1	1		2.85	2.85		
	Deduction								
	D	Sqm	6	0.9		-2.1	-11.34		
	W	Sqm	6	1.80		-1.2	-12.96		
	W1	Sqm	2	0.90		-1.2	-2.16		
	Basic rate							261.00	
	Add Scaffolding charges for First Floor							12.00	
	sub total							273.00	
	Area weightage 8%							21.84	
	Total						355.39	294.84	104783.19
	Second Floor								
	External Plastering								
	Longer Direction	Sqm	2	26.2		3	157.2		
		Sqm	2	7.3		3	43.8		
	Parapet wall in Passage	cum							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D	Sqm	3	1.2		2.1	-7.56		
	W	Sqm	6	1.5		1.4	-12.6		
	W1	Sqm	2	0.95		1.4	-2.66		
	Basic rate							261.00	
	Add Scaffolding charges for Second Floor							24.00	
	sub total							285.00	
	Area weightage 8%							22.80	
	Total						359.03	307.80	110509.43
	Terrace Floor								
	parapet Wall	Sqm	2	74.46		0.9	134.03		
								261.00	
	Basic rate							36.00	
	Add Scaffolding charges for Terrace Floor							297.00	
	sub total							23.76	
	Area weightage 8%								
	Total						134.03	320.76	42990.82
15	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	First Floor								
		Sqm	1	22		2.85	62.7		
		Sqm	1	22.12		2.85	63.042		
		Sqm	1	22.1		2.85	62.985		
		Sqm	1	21.7		2.85	61.845		
		Sqm	1	22.26		2.85	63.441		
		Sqm	1	21.8		2.85	62.13		
	Deduction								
	D	Sqm	6	0.9		-2.1	-11.34		
	W	Sqm	6	1.8		-1.2	-12.96		
	W1	Sqm	2	1		-1.2	-2.4		
	Basic rate							204.00	
	Add lift charges for First Floor							6.00	
	sub total							210.00	
	Area weightage 8%							16.80	
	Total						349.44	226.80	79253.67
	Second Floor								
	Internal Wall	Sqm	1	78.38		2.85	223.383		
	Column projection	Sqm	8	0.44		2.85	10.032		
	Deduction								
	D	Sqm	3	1.2		2.1	-7.56		
	W	Sqm	6	1.5		1.4	-12.6		
	W1	Sqm	2	0.95		1.4	-2.66		
	Basic rate							204.00	
	Add lift charges for Second Floor							12.00	
	sub total							216.00	
	Area weightage 8%							17.28	
	Total						210.60	233.28	49127.60
16	KSRB15-3-14 : Providing 12mm thick cement plaster								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Ceiling								
		Sqm	1	4.1	6.9		28.29		
		Sqm	1	4.16	6.9		28.704		
		Sqm	1	4.15	6.9		28.635		
		Sqm	1	3.95	6.9		27.255		
		Sqm	1	4.23	6.9		29.187		
		Sqm	1	4	6.9		27.6		
	Coriddor								
		Sqm	1	9	0.93		8.37		
		Sqm	1	28.8	1.7		48.96		
		Sqm	1	2.6	2		5.20		
		Sqm	1	1.2	0.6		0.72		
	Chejja plastering								
	Bottom	Sqm	1	7.30	0.60		4.38		
	Front	Sqm	1	7.30		0.10	0.73		
	Sides	Sqm	1	0.60		0.10	0.06		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**238.09**	**243.00**	**57856.11**
	First Floor								
	Ceiling								
		Sqm	1	4.1	6.9		28.29		
		Sqm	1	4.16	6.9		28.704		
		Sqm	1	4.15	6.9		28.635		
		Sqm	1	3.95	6.9		27.255		
		Sqm	1	4.23	6.9		29.187		
		Sqm	1	4	6.9		27.6		
	Coriddor								
		Sqm	1	9	0.93		8.37		
		Sqm	1	28.8	1.7		48.96		
		Sqm	1	2.6	2		5.20		
		Sqm	1	1.2	0.6		0.72		
	Chejja plastering								
	Bottom	Sqm	1	7.30	0.60		4.38		
	Front	Sqm	1	7.30		0.10	0.73		
	Sides	Sqm	1	0.60		0.10	0.06		
	Basic rate							225.00	
	Add lift charges for First Floor							6.00	
	sub total							231.00	
	Area weightage 8%							18.48	
	Total						**238.09**	**249.48**	**59398.94**
	Second Floor								
	Ceiling								
		Sqm	1	12.9	6.9		89.01		
		Sqm	1	12.7	6.9		87.63		
	Coriddor								
		Sqm	1	9	0.93		8.37		
		Sqm	1	28.8	1.7		48.96		
		Sqm	1	2.6	2		5.20		
		Sqm	1	1.2	0.6		0.72		
	beam plastering	Sqm	4	6.9	0.9		24.84		
	Chejja plastering								
	Bottom	Sqm	1	7.30	0.90		6.57		
	Front	Sqm	1	7.30		0.10	0.73		
	Sides	Sqm	1	0.60		0.10	0.06		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Area weightage 8%						272.09	255.96	69644.16
	Total							18.96	
17	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	Ground Floor								
		Sqm	1	22		2.85	62.7		
		Sqm	1	22.12		2.85	63.042		
		Sqm	1	22.1		2.85	62.985		
		Sqm	1	21.7		2.85	61.845		
		Sqm	1	22.26		2.85	63.441		
		Sqm	1	21.8		2.85	62.13		
	Deduction								
	D	Sqm	1	0.9		-2.1	-1.89		
	W	Sqm	6	1.8		-1.1	-11.88		
	W1	Sqm	2	1		-1.2	-2.4		
	For first and Second Flooor								
	for Internal plastered portions	Sqm	1	same as Internal plastering			560.04		
	ceiling	Sqm	1	same as plastering for beam + ceiling			730.57		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						1650.58	84.24	139045.1119
18	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				920.01		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						920.01	97.20	89425.0692
19	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for beam and				730.57		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						730.57	127.44	93104.09568
20	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor								
		Sqm	1	4.1	6.9		28.29		
		Sqm	1	4.16	6.9		28.704		
		Sqm	1	4.15	6.9				

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Coriddor	Sqm					8.37		
		Sqm	1	9	0.93		48.96		
		Sqm	1	28.8	1.7		5.2		
		Sqm	1	2.6	2		0.72		
		Sqm	1	1.2	0.6				
								631.00	
	Basic rate							50.48	
	Area weightage 8%						232.92	681.48	158731.00
	Total								
	First Floor						28.29		
		Sqm	1	4.1	6.9		28.704		
		Sqm	1	4.16	6.9		28.635		
		Sqm	1	4.15	6.9		27.255		
		Sqm	1	3.95	6.9		29.187		
		Sqm	1	4.23	6.9		27.6		
		Sqm	1	4	6.9				
	Coriddor						8.37		
		Sqm	1	9	0.93		48.96		
		Sqm	1	28.8	1.7		5.2		
		Sqm	1	2.6	2		0.72		
		Sqm	1	1.2	0.6				
								631.00	
	Basic rate							2.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor						232.92	633.00	
	sub total							50.64	
	Area weightage 8%						232.92	683.64	159234.11
	Total								
	Second Floor						89.01		
		Sqm	1	12.9	6.9		87.63		
		Sqm	1	12.7	6.9				
	Coriddor						8.37		
		Sqm	1	9	0.93		48.96		
		Sqm	1	28.8	1.7		5.2		
		Sqm	1	2.6	2		0.72		
		Sqm	1	1.2	0.6				
								631.00	
	Basic rate							4.00	
	An additional rate of Rs.2/sqm per floor may be added for every additional floor						239.89	635.00	
	sub total							50.8	
	Area weightage 8%						239.89	685.80	164516.56
	Total								
21	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Terrace Floor								
		Sqm	1	27.1	9		243.9		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								526.00	
	Basic Rate							42.08	
	Area weightage 8%						253.98	568.08	144280.96
	Total								
22	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2									
	Ground floor									
	W	Sqm	7	1.8		1.4	17.64		
	W1	Sqm	1	0.90		1.40	1.26		
	Basic Rate							4435.00	
	Area weightage 8%							354.8	
	Total						18.90	4789.80	90527.22
	First floor								
	W2	Sqm	6	1.8		1.2	12.96		
	W3	Sqm	2	0.9		1.2	2.16		
	Basic Rate							4435.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							4441.00	
	Area weightage 8%							355.28	
	Total						15.12	4796.28	72519.75
	Second Floor								
	W	Sqm	6	1.5		1.4	12.6		
	W1	Sqm	2	0.9		1.4	2.52		
	Basic Rate							4435.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							4447.00	
	Area weightage 8%							355.76	
	Total						15.12	4802.76	72617.73
23	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9									
	First Floor									
	W2	kg	6			45.36	272.16			
				21kg per sqm 1.8*1.2*21=45.36						
	W3	kg	2			22.68	45.36			

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
								101.00	
	sub total							8.08	
	Area weightage 8%						317.52	109.08	34635.08
	Total								
	Second Floor								
	W	Kg	6			44.1	264.60		
				21kg per sqm 1.5*1.4*21=44.1					
	W1	Kg	2			26.46	52.92		
				21kg per sqm 0.9*1.4*21=26.46					
	Basic Rate							95.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							107.00	
	Area weightage 8%							8.56	
	Total						317.52	115.56	36692.61
24	Providing and fixing factory made Galvanized plain steel door frame of profile size 125x60 mm single rebate manufactured from galvanized plain steel sheet 1.25mm thick, confirming to IS:277. The door frame consists of hinge jamb, lock jamb, head and bottom tie bars, supply in knockdown condition & to be assembeled at site by mechanical means with special mitre joint. The bottom tie bar made out of galvanized plain steel sheet 1.60mm thick pressed angle 20 x 20mm screwed to the door frame. The stiffness of 3mm thick MS GATE & pre-trapped are to be welded inside the pre-punched alots of the door frames & 4 nos. of S.S.butt hinges 100 x 59 2.5mm to be screwed to the door frame. The stiffeners & mortor guards to be provided for fixing hardware fixtures. The door frame to be powder coated after pre-treatment of the surface. The door frame shall be filled with 1:3:6 cement concrete & to be fixed with adjustable lugs/hold fasts. Alternatively, dry fixing shall be permitted by using metallic expansion bolt. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 1000 x 2130 mm Pg no:313.Item no: 38.49.1								
	Second Floor								
	D	Rmt	1	6.60			6.60		
	Basic rate							545.00	
	Area weightage 8%							43.60	
	Total						6.60	588.60	3884.76
25	Providing and fixing factory made Galvanized plain steel door shutters 32mm thick manufactured from pre painted galvanized plain steel sheet 0.60mm thick confirming to the IS:14246. The door shutters consists of two outer skins if steel sheets , lock seam jointed at vertical stile edges, horizontal top and bottom sides to form a double skin fully flush shell. Rigid polyyurethane Foam (PUF) of density 40 kg/m3 shall be filled in the hollow portion of door shutters for structure rigidly & sound insulation. The necessary stiffeners of the Galvanized plain steel sheet of minimum thickness 1.60mm to be provided for fixing all hardware fixtures. The rate is including transportation, loading, unloading, HOM etc. but excluding the hardware fixtures. Size 900 x 2035 x 32 mm Pg no:314.Item no: 38.50.1								
	Second Floor								
	D	Sqm	1	1.20		2.1	2.52		
	Basic rate							2140.00	
	Area weightage 8%							171.20	
	Total						2.52	2311.20	5824.22
26	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Door Painting								
	Ground Floor								
	D1	Sqm	10	0.9		2.1	18.90		
	D	Sqm	2	1.2		2.1	5.04		
	First Floor								
	D1	Sqm	12	0.9		2.1	22.68		
	Second Floor	Sqm					0.00		
	D	Sqm	6	1.2		2.1	15.12		
	For Grill								
	Coridor Wall								
	First Floor	Sqm	9	3.2		2	57.6		
	Second Floor	Sqm	9	3.2		2	57.6		
	for Staircase Railings								
	Ground Floor	sqm	1	18		0.9	16.2		
	First Floor	sqm	1	18		0.9	16.2		
	Second Floor	sqm	1	18		0.9	16.2		
	Basic rate							95.00	
	Area weightage 8%							7.60	
	Total						323.82	102.60	33223.932
27	Providing and fixing M.S. Hand railing for Balcony with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.page no.44 item no.7.35								
	Ground Floor	sqm	1	18		0.9	16.2		
	Basic Rate							2840.00	
	Area weightage 8%							227.2	
	Total						16.20	3067.20	49688.64
	First Floor	sqm	1	18		0.9	16.2		
	Basic Rate							2840.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							6.00	
	sub total							2846.00	
	Area weightage 8%							227.68	
	Total						16.20	3073.68	49793.616
	Second Floor	sqm	1	18		0.9	16.2		
	Basic Rate							2840.00	
	An additional rate of Rs.6/sqm per floor may be added for every additional floor							12.00	
	sub total							2852.00	
	Area weightage 8%							228.16	
	Total						16.20	3080.16	49898.592

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
28	Providing and fixing M.S.Grill over existing compound wall as per Chief Architect drawing No. 12686, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification.Pg 44 Item no.7.36								
	Coridor Wall								
	First Floor	Sqm	9	3.20		2	57.60		
	Second Floor	Sqm	9	3.20		2	57.60		
								5369.00	
	Basic rate							429.52	
	Area weightage 8%								
	Total						**115.20**	**5798.52**	**667989.504**
29	Fabricating, supplying and erecting M.S. TubularTruss of span upto 10m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom line, in areas of mid section is provided with 50x50x6mm equal single angle for vertical and inclined members and at supporting ends 40x40x5mm single angle is provided. All the members are welded together with 6mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support, with 10mm thick base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc., complete as per specification. Page no.43 item no 7.29								
	ISMB450	kg	2	3.6	72.4		521.28		
			For ISMB 450 = 72.4 kg/m						
	Basic rate							111.00	
	Area weightage 8%							8.88	
	Total						**521.28**	**119.88**	**62491.05**
30	Concealed Conduit System - Supplying 20/25/32 mm dia 2mm thick confirming to IS 2506 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary								
	19/20mm dia, 2mm thick	Rmt		130.80			130.80		
	Total						130.80	40	5232
31	Concealed Conduit System - Supplying 20/25/32 mm dia 2mm thick confirming to IS 2506 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary								
	25mm dia, 2mm thick	Rmt		75.00			75.00		
	Total						75.00	53	3975
32	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.								
	19/20mm dia, 2mm thick	Rmt		98.10			98.10		
	Total						98.10	51	5003.1
33	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.								
	25mm dia, 2mm thick	Rmt		107.10			107.10		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
34	Pg no 3 ,Item 1.12 Supplying and fixing Metal Fan Box with Round Hook Nos 60 135.00 8100								
							12.00		
		Nos	12						
							12.00	85	1020
	Total						Total Amount		4200381.40
							DPR Charges (1% of estimated cost)		42003.81
							Project management And Consultancy Charges(1% of estimated cost)		42003.81
							Tender Premium (5% of estimated cost)		210019.07
							GST Charges (12% of estimated cost)		504045.8
							Miscellenious and rounding		1546.13
							Grand Total		5000000.00

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

RAJAPRASAD CONSULTANTS
BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF COMPOUNDS TO ESHWARA TEMPLE AT JUDICIAL LAYOUT IN WARD NO:04 YELAHANKA SATELLITE TOWN SUB DIVISION.

Est.Cost.Rs. 12500000

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 page 140 item no 18.27								
	DISMANTLING OF SSM								
		cum	1	208.13	0.5	0.75	78.05		
								351.00	
	Basic rate							21.06	
	Area weightage 6%							69.80	
	5Km lead & Lift= 57+(2*1.28*5)								
	Total						**78.05**	**441.86**	**34487.28**
2	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202 page no 141 item no18.54								
	Dismantling of fencing Compound Wall								
		m	1	208.13			208.13		
	Basic rate							66.00	
	Area weightage 6%							3.96	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**208.13**	**139.76**	**29088.81**
3	"KSRRB M200-17.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. v) Steel work in all types of Sections upto a Height of 5 m above plinth level excluding Cutting of Rivet. – A. Including dismembering." (P.No.140/ I.No. 18.33 of CSR 2018-19)								
	Dismantling of Gate	**Sqm**	**1**	**5**		**1.8**	**9.00**		
			Steel 1000kg				**9000.00**		
		tonne					**9.00**		
	Basic rate							1893.00	
	Area weightage 6%							113.58	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**9.00**	**2076.38**	**18687.42**
4	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 page no 6 item no 2.3								
	For Vidhansoudha Grill	Cum	1	223.56	1.1	1.05	258.21		
	Basic rate								
	Area weightage 6%							299.00	
	5Km lead & Lift= 57+(2*1.28*5)							17.94	
	Total							69.80	
							258.21	**386.74**	**99861.28**
5	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 of CSR 2018-19)								
	SSM Footing								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	For Vidhansoudha Grill	Cum	1	223.56	1.1	0.15	36.89		
	Kerb Stone For Pathway								
	Outside	Cum	1.00	183.84	0.15	0.10	2.76		
	Inside	Cum	1.00	161.96	0.15	0.10	2.43		
								5194.00	
	Basic rate							**311.64**	
	Area weightage 6%						**42.07**	**5505.64**	**231647.24**
	Total								
6	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	For Grill Work								
	For Vidhansoudha Grill	Cum	1	223.56	0.6	0.15	20.12		
	For Benches Platform	Cum	17	1.8	1.6	0.1	4.90		
	For Vidhansoudh Grill Pole	Cum	75	0.45	0.6	0.6	12.15		
	Basic rate							5328.00	
	Area weightage 6%							319.68	
	Total						**37.17**	**5647.68**	**209904.44**
7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.6								
	For Vidhansoudha Grill	Cum	1	223.56	0.9	0.9	181.08		
	Basic rate							4596.00	
	Area weightage 6%							275.76	
	Total						**181.08**	**4871.76**	**882199.79**
8.00	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13								
	For Vidhansoudha Grill	Cum	1.00	223.56	0.60	0.60	80.48		
	Deduction								
	For Vidhansoudh Grill Pole	Cum	75.00	0.45	0.60	0.60	-12.15		
	Basic rate							6005.00	
	Extra For Pillars							489.00	
	Sub Total							6494.00	
	Area weightage 6%							389.64	
	Total						**68.33**	**6883.64**	**470372.61**
9.00	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
	For Vidhansoudha Grill	Sqm	2.00	223.56		0.60	268.27		
	Basic rate								
	Area weightage 6%							142.00	
	Total							8.52	
10.00	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305						**268.27**	**150.52**	**40380.48**
	For Filling								
	Beside temple								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
		Cum	1	3.5	1.2	0.8	-3.36		
	Near Sump								
	Rectangle	Cum	1	9.99	12.62	0.6	75.66		
	Triangle	Cum	1	5.00	0.83	0.6	2.48		
	Deduction								
	Sump Area	Cum	1	3.1	2.5	0.6	-4.65		
	Basic rate							325.00	
	Area weightage 6%							19.50	
	Total						**367.48**	**344.50**	**126596.94**
11	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work								
	For Vidhansoudha Grill	Sqm	1	223.56		1.8	402.41		
	Data Rate							9144.14	
	Total						**402.41**	**9144.14**	**3679691.55**
12	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all								
	New Gate	Sqm	3	5		2.4	36		
	Data Rate							12475.03	
	Total						**36.00**	**12475.03**	**449101.08**
13	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete(page no 27 item no 5.30)								
	Kerb Stone For Pathway								
	Outside	m	1.00	183.84			183.84		
	Inside	m	1.00	161.96			161.96		
	Total Length						**345.80**		
	No of Kerb Stones	Nos	Total Length/0.45				**768.00**		
	Basic rate							408.00	
	Area weightage 6%							24.48	
	Total						**768.00**	**432.48**	**332144.64**
14	KSRB 15-15.3 Providing and applying painting in two coat with Synthetic enamel paint of approved brand and manufacture on concrete surface with cost of materials ,labour ,complete as per specifications.(SR Pg no 180 item no 24.1)								
	Kerb Stone For Pathway								
	Outside	Sqm	1.00	183.84		0.50	91.92		
	Inside	Sqm	1.00	161.96		0.50	80.98		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**172.90**	**84.80**	**14661.84**
15	KSRB 14.6.1 Providing and laying heavy duty cobble stones 60mm thick interlock pavers,using cement and course sand for manufacturer of blocks of approved size,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed(average Thinkness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to comeup in between joints , final compaction of pavers surfaces joint into its final level including cost of materials,labour and HOM complete as per specifications(Pg No-103, I N- 14.6)								
	Pathway	Sqm	1.00	173.86	2.60		452.03		
								1053.00	
	Basic rate							63.18	
	Area weightage 6%						452.03	**1116.18**	**504541.93**
	Total								
16	Providing, fixing Ornamental Granite Column of overall height of 2585mm, 430X430 sqmm @ bottom, octogonal at a height of 1250mm for a height of 390mm, flower design on both faces of the pillar above the octogonal for a height of 430mm and carving design for a height of 350mm and above that 590mmX 590mmX 160mm pedestal cap as per the approved design including quarrying cutting to the required size and transporting the same from quarry to work spot including loading and unloading with all lead and lift etc., complete as per design and drawing. The work shall be carried out as per the directions of the engineers in charges of the work								
	Column	Nos	38				**38.00**		
								41500.00	
	Data Rate						**38.00**	**41500.00**	**1577000.00**
	Total								
17	Providing, fixing Ornamental Granite Column of overall height of 1250mm, 200X200sqmm, octagonal to a height of 820mm and carving design at bottom as shown in drawing. And two pedestal cap of 40mm thickness and octagonal design 230mm and 280mm respectively as per the approved design. including quarrying cutting to the required size and transporting the same from quarry to work spot including loading and unloading with all lead and lift etc..,complete as per design and drawing. The work shall be carried out as per the directions of the engineers in charges of the work.								
	For Pathway	Nos	60				60.00		
								8200.00	
	Data Rate						**60.00**	**8200.00**	**492000.00**
	Total								
18	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2.13 SR 2018-19)								
	For Benches Platform	Cum	17.00	1.80	1.60	0.10	4.90		
								2060.00	
	Basic rate							123.60	
	Area weightage 6%						**4.90**	**2183.60**	**10690.91**
	Total								
19	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(item no5.27.1 page no27)								
	For Benches Platform	Sqm	17.00	8.4		0.20	28.56		
								912.00	
	Basic rate							54.72	
	Area weightage 6%						**28.56**	**966.72**	**27609.52**
	Total								
20	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 112, I.No. 14.62 of PWD SR								
	For Benches Platform	Sqm	17.00	2.20	2.20		82.28		
	Basic rate								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
21	Executive Bench-Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90X Length 1500 width 45 cms (Data approved rate)								
							17.00		
	benches	Nos	17.00					18200.00	
	Data Rate						17.00	18200.00	309400.00
	Total								
	Drain								
22.00	KSRRB 300-1. **Earthwork excavation by manual means for roads,** drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(P.No-143 &136 ,I No-19.1&17.4& 17.1) 5km lead= 57+2.0x1.28x5 =69.80								
	New Drain								
	Beside Temple side	Cum	1.00	57.31	0.90	1.05	54.16		
	infront of temple	Cum	1.00	62.00	0.90	1.05	58.59		
	Basic rate							130.00	
	Area weightage 6%							7.80	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						112.75	207.60	23407.26
23.00	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications.MORTH Specification No. 2100 Pg no:222 Item no:27.18								
	New Drain								
	Beside Temple side	Cum	1.00	57.31	0.90	0.15	7.74		
	infront of temple	Cum	1.00	62.00	0.90	0.15	8.37		
	Basic rate							5115.00	
	Area weightage 6%							306.90	
	Total						16.11	5421.90	87332.66
24.00	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	New Drain								
	Beside Temple side								
	Bottom Slab	Cum	1.00	57.31	0.90	0.15	7.74		
	Side Walls	Cum	2.00	57.31	0.15	0.75	12.90		
	infront of temple								
	Bottom Slab	Cum	1.00	62.00	0.90	0.15	8.37		
	Side Walls	Cum	2.00	62.00	0.15	0.75	13.95		
					Sub Total		**42.95**		
	Basic rate							6670.00	
	Area weightage 6%							400.20	
	Total						42.95	7070.20	303686.58
25.00	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	**Cum**							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic rate							68233.00	
	Area weightage 6%							4093.98	
	Total						2.58	72326.98	186399.82
26.00	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	New Drain								
	Beside Temple side	Sqm	1.00	57.31	0.90		51.58		
	infront of temple	Sqm	1.00	62.00	0.90		55.80		
	Data rate							2337.00	
	Total						107.38	2337.00	250953.14
							Total Amount		10499298.31
							DPR Charges (1% of estimated cost)		104992.98
							Project management And Consultancy Charges(1% of estimated cost)		104992.98
							Tender Premium (5% of Estimated Cost)		524964.92
							GST Charges (12% of estimated cost)		1259915.80
							Miscellenious and rounding		5835.01
							Grand Total		12500000.00

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

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Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

RUDRAPRASAD CONSULTANTS
BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENT WORKS FOR THE STADIUM AT JUDICIAL LAYOUT IN WARD NO.4 OF YELAHANKA SATELLITE TOWN SUB DIVISION

ABSTRACT

Sl No	DESCRIPTION OF WORK	AMOUNT
1	Building	16570525
2	Pulmbing Works	194288
3	Electrical Works	34142.50
	Total Estimated Cost	**16798955.00**
4	DPR Charges (1% of estimated cost)	167989.55
5	Project management And Consultancy Charges(1% of estimated cost)	167989.55
6	GST Charges (12% of estimated cost)	2015874.60
7	Tender Premium (5% of estimated cost)	839947.75
8	Miscellaneous and rounding off	9,243.5
	Total Amount	**20000000**
	RUPEES TWO CRORE ONLY	

CERRIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD Elecrical 2019-20 and Approved rate. and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENT WORKS FOR THE STADIUM AT JUDICIAL LAYOUT IN WARD NO.4 OF YELAHANKA SATELLITE TOWN SUB DIVISION

1. BUILDING

								Est.Cost.Rs.	16570525
Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
		cun	1	30.80	20.6	0.3	190.34		
	Basic rate							325.00	
	Area weightage 6%							19.50	
	Total						190.34	344.50	65573.51
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5. (P.No. 6/I.No. 2.4)								
	Footing								
	C1	Cum	17	3.5	1.5	1.5	133.875		
	SSM Escavation								
	longer Direction	Cum	2	21.817	0.75	0.85	27.816675		
	Shorter Direction	Cum	3	13.621	0.75	0.85	26.050163		
	At Changing Room	Cum	4	2.25	0.75	0.85	5.7375		
	Drain								
		CUM	1	104.8	0.75	0.75	58.95		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						252.43	484.92	122408.03
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footing								
	C1	Cum	17	3.5	1.5	0.1	8.925		
	Basic rate							2429	
	Area weightage 8%							194.32	
	Total						8.93	2623.32	23413.13
4	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footing								
	C1	Cum	17	3.5	1.5	0.15	13.3875		
	Below SSM								
	Along longer Direction	cum	2	28.7	0.75	0.15	6.4575		
	Along Shorter Direction	cum	3	18.35	0.75	0.15	6.193125		
	At Changing Room	cum	4	2.25	0.75	0.15	1.0125		
	Drain								
		CUM	1	104.8	0.75	0.15	11.79		
	Basic rate							5102.00	
	Area weightage 8%								
	Total								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 13 Item No. 4.6								
	Plinth Area								
	Along longer Direction	cum	2	28.7	0.6	0.15	5.166		
	Along Shorter Direction	cum	3	18.35	0.6	0.15	4.9545		
	At Changing Room	cum	4	3	0.6	0.15	1.08		
	Building area								
	Badminton court	Sqm	1	27.2	20.2	0.15	82.416		
	Changing Room	Sqm	2	3	6.5	0.15	5.85		
	Entry Lobby	Sqm	1	3	6.8	0.15	3.06		
	Basic rate							5422.00	
	Area weightage 8%							433.76	
	Total						**102.53**	**5855.76**	**600370.58**
6	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing completeas per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along longer Direction	cum	2	28.7	0.6	0.6	20.664		
	Along Shorter Direction	cum	3	18.35	0.6	0.6	19.818		
	At Changing Room	cum	4	3	0.6	0.6	4.32		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**44.80**	**4963.68**	**222382.79**
7	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					252.43		
	PCC for Footing	Cum					-27.05		
	SSM footing	Cum					-44.80		
	Footing ,pedestal and plinth beam Concrete Quantity	Cum					-60.93		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**119.65**	**217.08**	**25973.89**
8	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					252.43		
	Filling Available of Excavated Earth						-119.65		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum						57.00	
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads exluding Basic rate loading & unloading					2.00	
	Average Weight of earth	For2Kms =2x1.28x2							
	Basic rate							5.12	
	Area weightage 8%							62.12	
	Total							4.97	
9	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete						**132.78**	**67.09**	**8908.03**

No. KBS 4.6.2, Pg No 16, Item No 4.28

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								258.00	
	Basic rate							20.64	
	Area weightage 8%						136.00	278.64	37895.04
	Total								
10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Along longer Direction	Sqm	4	28.7		0.45	51.66		
	Along Shorter Direction	Sqm	6	18.35		0.45	49.55		
	At Changing Room	Sqm	8	3		0.45	10.80		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						112.01	386.64	43305.61
11	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Column								
	C1	Sqm	6	2.1		3.4	42.84		
	C1	Sqm	1	2.1		4	8.40		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						51.24	492.48	25234.68
12	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Roof Slab for Changing Room And Entry Lobby	Sqm	1	3.4	20.6		70.04		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						70.04	432	30257.28
13	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Slab Edge								
	Roof Slab for Changing Room And Entry Lobby	Sqm	1	48		0.15	7.20		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						7.20	815.4	5870.88
14	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Through Lintel								
		Sqm	4	30.8		0.2	24.64		
		Sqm	2	20.6		0.2	8.24		
	Cut lintel	Sqm							
	D1	Sqm	2	1.2		0.2	0.48		
	D2	Sqm	4	2.1		0.2	1.68		
	Roof Beam for Changing Room And Entry Lobby								
	B(200X600)	Sqm							

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								23.36	
	Area weightage 8%						80.04	315.36	25241.41
	Total								
15	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Chejja								
	W1								
	Bottom	SQm	22	1.8	0.6		23.76		
	Front	Sqm	22	1.8		0.1	3.96		
	Sides	Sqm	44	0.6		0.1	2.64		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						30.36	348.84	10590.78
16	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footing								
	C1	Cum	17	3.5	1.5	0.45	40.1625		
	Pedastal	Cum	17	0.9	0.5	1.25	9.5625		
	Plinth Beam								
	Along longer Direction	cum	2	28.7	0.2	0.45	5.166		
	Along Shorter Direction	cum	3	18.35	0.2	0.45	4.9545		
	At Changing Room	cum	4	3	0.2	0.45	1.08		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						60.93	6276.96	382426.93
17	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Column								
	C1	Cum	6	0.3	0.75	3.4	4.59		
	C1	Cum	1	0.3	0.75	4	0.9		
	Through Lintel								
		Cum	2	30.8	0.2	0.2	2.464		
		Cum	1	20.6	0.2	0.2	0.824		
	Cut lintel								
	D1	Cum	1	1.2	0.2	0.2	0.048		
	D2	Cum	2	2.1	0.2	0.2	0.168		
	Roof Beam for Changing Room And Entry Lobby								
	B(200X600)	Cum	2	20.2	0.2	0.45	3.636		
		Cum	3	3.2	0.2	0.45	0.864		
	Roof Slab for Changing Room And Entry Lobby	Cum	1	3.4	20.6	0.15	10.506		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
18	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Chejja								
	W1	SQm	22	1.8	0.6		23.76		
								496.00	
	Basic rate							39.68	
	Area weightage 8%						**23.76**	**535.68**	**12727.76**
	Total								
19	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				40.16		
		kg	Steel assumed 150 Kg/Cum of Concrete				6024.4		
		tonne					**6.02**		
	Pedastal	Cum	Concrete Quantity				9.56		
		kg	Steel assumed 200 Kg/Cum of Concrete				1912.5		
		tonne					**1.91**		
	Column	Cum	Concrete Quantity				5.49		
		kg	Steel assumed 150 Kg/Cum of Concrete				823.50		
		tonne					**0.82**		
	Plinth beam	Cum	Concrete Quantity				11.20		
		kg	Steel assumed 185 Kg/Cum of Concrete				2072.09		
		tonne					**2.07**		
	Beam	Cum	Concrete Quantity				4.50		
		kg	Steel assumed 185Kg/Cum of Concrete				828.0		
		tonne					**0.83**		
	Roof Slab	Cum	Concrete Quantity				10.51		
		kg	Steel assumed 185 Kg/Cum of Concrete				1943.6		
		tonne					**2.27**		
	Chajja	Cum	Concrete Quantity				2.38		
		kg	Steel assumed 100 Kg/Cum of Concrete				237.60		
		tonne					**0.24**		
	Lintel	Cum	Concrete Quantity				3.50		
		kg	Steel assumed 100 Kg/Cum of Concrete				350.40		
		tonne					**0.35**		
	Basic rate							70966.00	
	Area weightage 8%							5677.28	
	Total						**14.52**	**76643.3**	**1113019.65**
20	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Entry	Sqm	2	3		4	24.00		
		Sqm	1	6.8		4	27.20		
	Deduction								
	W1	Sqm	22	1.5		1.5	-49.50		
	D1	Sqm	2	1.8		2.1	-7.56		
	D2	Sqm	2	0.9		2.1	-3.78		
	V1	sqm	2	4		0.6	-4.80		
	V2	sqm	4	0.6		0.6	-1.44		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						**470.20**	**984.96**	**463128.19**
21	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
	WC in changing Rooms	Sqm	2	3		4	24		
		Sqm	2	1.3		4	10.4		
	Deduction								
	D3	Sqm	4	0.75		2.1	-6.3		
	Basic rate							811.00	
	Area weightage 8%							64.88	
	Total						**28.10**	**875.88**	**24612.23**
22	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
		Sqm	2	30.8		4	246.4		
		Sqm	2	20.6		4	164.8		
	Deduction								
	W1	Sqm	22	1.5		1.5	-49.50		
	D1	Sqm	1	1.8		2.1	-3.78		
	V1	sqm	2	4		0.6	-4.80		
	V2	sqm	4	0.6		0.6	-1.44		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						**351.68**	**281.88**	**99131.56**
23	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Badminton court	Sqm	2	27.26		4	218.08		
		Sqm	3	20.6		4	247.2		
	Changing Room	Sqm	2	13		1.9	49.4		
	Entry	Sqm	2	3		4	24		
		Sqm	1	6.8		4	27.2		
	WC in changing Rooms	Sqm	4	3		1.9	22.8		
		Sqm	8	1.2		1.9	18.24		
	Deduction								
	W1	Sqm	22	1.5		1.5	-49.50		
	D1	Sqm	2	1.8		2.1	-7.56		
	D2	Sqm	2	0.9		2.1	-3.78		
	V1	sqm	2	4		0.6	-4.80		
	V2	sqm	4	0.6		0.6	-1.44		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						**539.84**	**220.32**	**118937.55**
24	KSRB15-5.1 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	WC in changing Rooms	Sqm	4	3		2.1	25.2		
		Sqm	8	1.2		2.1	20.16		
	Deduction								
	D3	Sqm	6	0.75		2.1	-9.45		
	Basic rate							205.00	
	Area weightage 8%							16.40	
	Total						**90.51**	**221.40**	**20038.91**
25	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ceiling								
	Changing Room	Sqm	2	3	6.5		39.00		
	Entry	Sqm	1	3	6.8		20.40		
	Chejja								
	W1								
	Bottom	SQm	22	1.8	0.6		23.76		
	Front	Sqm	22	1.8		0.1	3.96		
	Sides	Sqm	44	0.6		0.1	2.64		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**89.76**	**243.00**	**21811.68**
26	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			539.84		
	ceiling	Sqm	1	same as plastering for ceiling			59.40		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**599.24**	**84.24**	**50479.98**
27	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				539.84		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**539.84**	**97.20**	**52472.45**
28	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm	Same as plastering for ceiling				59.40		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						**59.40**	**127.44**	**7569.94**
29	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications (page no127, item no.15.103)								
	External painting								
		Sqm	Same as External plastering						

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total						**382.04**	**367.20**	**140285.09**
30	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Badminton court	Sqm	1	27.26	20.2		550.652		
	Changing Room	Sqm	2	3	6.5		39		
	Entry Lobby	Sqm	1	3	6.8		20.4		
	Basic rate							631.00	
	Area weightage 8%							50.48	
	Total						**610.05**	**681.48**	**415738.24**
31	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.Pg No 112,Item No 14.61.2								
	Flooring								
	Entry Lobby	Sqm	1	3	6.8		20.40		
	Basic Rate							1979	
	Area weightage 8%							158.32	
	Total						**20.40**	**2137.32**	**43601.33**
32	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specificationPg no. 109 Item No.14.45.1								
	Changing Room								
		Sqm	2	3	2.6		15.60		
		Sqm	2	3.8	1.7		12.92		
	Basic Rate							1137.00	
	Area weightage 8%							90.96	
	Total						**28.52**	**1227.96**	**35021.42**
33	KSRB 14.14-5: Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications.Pg No 108,Item No14.36 .2								
	WC	Sqm	4	1.45	1.2		6.96		
	Basic Rate							1210.00	
	Area weightage 8%							96.8	
	Total						6.96	**1306.80**	**9095.33**
34	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Pg No 108,Item No14.41.2								
	Wall Cladding								
	Rough Plastering								
	Changing Room	Sqm	2	13		2.1	54.6		
	WC in changing Rooms	Sqm	4	3		2.1	25.2		
		Sqm	8	1.2		2.1	20.16		
	Deduction								
	D3	Sqm	8	0.75		2.1	-12.6		
	Basic Rate								
	Area weightage 8%							1632.00	

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
35	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56								
	Nosing								
	Entry Lobby	Sqm	1	19.6		0.1	1.96		
	Deduction								
	D2	Sqm	2	1.8		-0.1	-0.36		
	Basic Rate							180.00	
	Area weightage 8%							14.4	
	Total						1.60	194.40	311.04
36	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness*60mm width*2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. asper the directions of Engineer in charge **(Data Rate)**								
	Badminton court	Sqm	1	17.2	16.42		282.42		
	Total						282.42	15000.00	4236360.00
37	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Roof Slab for Changing Room And Entry Lobby	Sqm	1	3	20.2		60.6		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						60.60	568.08	34425.65
38	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	D1	Nos	2				2		
	D2	Nos	2				2		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						4.00	1475.28	5901.12
39	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	D1	cum	2	7.80	0.15	0.125	0.29		
	D2	cum	2	6.00	0.10	0.075	0.09		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						0.38	94612.3	35952.68
40	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fasts								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
								450.00	
	Basic rate							36.00	
	Area weightage 8%						22.80	486.0	11080.80
	Total								
41	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground Floor								
	D1	Sqm	2	1.8		2.1	7.56		
	D2	Sqm	2	0.9		2.1	3.78		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						11.34	5099.76	57831.28
42	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to respective work spot. P.No.62, I.No.9.94								
	D3	Sqm	4	0.75	2.1		6.30		
	Basic rate							3800.00	
	Area weightage 8%							304.00	
	Total						6.30	4104.0	25855.20
43	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	For Door frames								
	D1	Sqm	2	7.80	0.15		2.34		
		Sqm	4	7.80	0.125		3.90		
	D2	Sqm	2	6.00	0.10		1.20		
		Sqm	4	6.00	0.075		1.80		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						9.24	104.76	967.98
44	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality.Pg No.35 Item No.7.11.2								
	W1	Sqm	28	1.5		1.5	63		
	V1	Sqm	2	4.00		0.60	4.8		
	V2	Sqm	2	1.00		0.60	1.2		
	Basic Rate								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
45	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	W1	kgs	22			47.25	1039.5		
				21kg per sqm 1.5*1.5*21=47.25					
								95.00	
	Basic Rate							7.6	
	Area weightage 8%								
	Total						**1039.50**	**102.60**	**106652.70**
46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window and ventilators	sqm	1	window qty+ventilator qty			69.00		
	Painting for Grill Works	Sqm	1	window qty			63.00		
								95.00	
	Basic rate							7.60	
	Area weightage 8%								
	Total						**132.00**	**102.60**	**13543.20**
47	Pg No 43,Item No 7.29 Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification								
	TRUSS	kg	27.4*20.6*(3.28)^2*4=24165.78				24289.885		
			(QUANTITY OF STEEL ASSUMED @ 4 Kg/ SFT)						
	Side walls								
	Side	Kgs	2*(27.4*5.2*(3.28)^2*1)=3050.049				3065.7137		
	Front and Back side								
	Rectangular portion	Kgs	2*(20.6*5.2*(3.28)^2*1)=1152.44				2304.8796		
	Gable End	Kgs	2*(0.5*20.6*1.2*(3.28)^2*1)=1152.44				265.94765		
			(QUANTITY OF STEEL ASSUMED @ 1 Kg/ SFT FOR SIDE CLADDING) .						
	Basic Rate							111.00	
	Area weightage 8%							8.88	
	Total						**29926.43**	**119.88**	**3587579.96**
48	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.Pg No.299 Item No.38.30								
	Side Walls	Sqm	2	27.26	5.2		283.504		
	Front and Back side	Sqm	2	20.6	5.2		214.24		
	Gable End	Sqm	2*(0.5*20.6*1.2)=24.72				24.72		
	Basic Rate								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
49	Pg No 128,Item No 15.73 KSRB 15-18.1 : Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications page no 123 item no.15.73								
	Truss	Sqm	1	27.26	20.6		561.556		
	Side Walls	Sqm	2	27.26	5.2		283.504		
	Front and Back side	Sqm	2	20.6	5.2		214.24		
	Gable End	Sqm	2*(0.5*20.6*1.2)=24.72				24.72		
	Basic Rate							41.00	
	Area weightage 8%							3.28	
	Total						**1084.02**	**44.28**	**48000.41**
50	**Puffed panel (Data Rate)**								
	For Roof	Sqm	1	27.4	20.6		564.44		
	Total						**564.44**	**4200.00**	**2370648.00**
51	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.Pg No.301,Item No.38.31								
	For Gutter	Sqm	1	96.00	0.9		86.40		
	Down Take pipe	Sqm	14	9.50	0.6		79.80		
	Basic rate							660.00	
	Area weightage 8%							52.80	
	Total						**166.20**	**712.80**	**118467.36**
52	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm(Item No 37.59.2 page no 271)								
	DRAIN								
	Bottom Slab	cum	1.00	104.80	0.75	0.15	11.79		
	Side Walls	cum	2.00	104.80	0.15	0.45	14.15		
	Basic rate							6670.00	
	Area weightage 6%							400.20	
	Total						**25.94**	**7070.20**	**183386.85**
53.00	KSRB M2200-6 Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200Specification No. Pg No.229 Item No.28.8.2								
	For Drain	Cum	From Item No 4				25.94		
		kg	Steel assumed 60Kg/Cum of Concrete				1556.28		
		tonne							
	Basic rate						**1.56**		
	Area weightage 6%							68233.00	
	Total							4093.98	
							1.56	**72326.98**	**112561.03**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
54.00	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800mm using M20 concrete reinforced with steel @6.00kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including providing holes in the Cover slabs wherever necessary for easy drainage of surface water including of labour, materials,HOM, curing, lead and lift charges etc, complete as per MORTH specifications No.1500, 1700(P.No.272-I.No.37.66)								
	DRAIN								
		m	1.00	104.80			104.80		
	Basic rate							1081.00	
	Area weightage 6%							64.86	
	Total						104.80	1145.86	120086.13
								Total Amount	**16570524.82**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

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Executive Engineer
BBMP

RUDRAPRASAD CONSULTANTS
BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: ADDITIONAL DEVELOPMENT WORKS FOR THE STADIUM AT JUDICIAL LAYOUT IN WARD NO.4 OF YELAHANKA SATELLITE TOWN SUB DIVISION

2) PLUMBING WORKS — **Est.Cost.Rs.** 194288

SANITARY WORK

Sl No	Description	Units	Rate(RS.)	Area Weightage 8%	Total Rate (RS.)	Quantity	Amount (RS.)
1	KSRB 11-5 : Providing and fixing white vitreous china clay, **water closet europeon type** (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification no.KBS 11 page no 79 item No.12.5	Each	4,956.00	396.48	5,352.48	2	10704.96
2	KSRB 11-9.2 : Providing and fixing white vitreous china clay,flat back or half stall **urinal basin** of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.Specification No. KBS 11. page no 81 item No.12.16	Unit	8,073.00	645.84	8,718.84	1	8718.84
3	KSRB 11.11.1 : Providing and fixing white vitreous china clay,flat back **wash basin** size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications. Specification No. KBS 11. page no 83 item No.12.24	Unit	3,149.00	251.92	3,400.92	4	13603.68

4	KSRB 11.15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. page no 84 item No.12.41	Unit	1,136.00	90.88	1,226.88	2	2453.76
5	KSRB 11.17.1: Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications.	Unit	739	59.12	798.12	4	3192.48
6	KSRB13-6.7-2 : Providing and fixing in position chromium plated brass shower rose with 15 or 20mm inlet 150mm dia including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.16 / 13.3	Each	750	60.00	810.00	2	1620
7	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	150.00	12.00	162.00	4	648
8	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions and direction(Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) 10cmsX7.5cms	Each	250.00	20.00	270.00	2	540
9	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.						
a	do - 110 mm dia	m	434	34.72	468.72	35	16405.2
b	do- 160mm dia	m	853	68.24	921.24	35	32243.4
				TOTAL			90130.32
WATER SUPPLY WORK							
1	KSRB-13-11.1 : Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) as per IS 12701 1996. Specification No. KBS 13.22 page no 96 item no 13.78	Each	20484	1,638.72	22,122.72	2	44245.44

			6828 rupees for 1000 lts capacity tank 6828x2=20484				
2	KSRB-13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.24	Each	173	13.84	186.84	6	1121.04
3	KSRB-13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.2/ 13.3 page no 93 item no 13.27	Each	141	11.28	152.28	4	609.12
4	KSRB-13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.Specification no. KBS 13.2.6/ 13.3 page no 93 item no 13.33	Each	336	26.88	362.88	2	725.76
5	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3						
a	20mm nominal OD pipes	m	235	18.80	253.80	35	8883
b	25mm nominal OD pipes	m	293	23.44	316.44	35	11075.4
					TOTAL:		66659.76
	Drainage Work						

1	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in	NO	8490.00	679.20	9,169.20	4	36676.8
2	Providing of stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary. (Rate includes 10 cms x 10 cms	Nos	190	15.20	205.20	4	820.8
					Sub total		37497.6
	SUMMARY:						
	SANITARY WORK						90130.32
	WATER SUPPLY WORK						66659.76
	DRAINAGE WORK						37497.6
					GRAND TOTAL:		194287.68

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum

4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT:ADDITIONAL DEVELOPMENT WORKS FOR THE STADIUM AT JUDICIAL LAYOUT IN WARD NO.4 OF YELAHANKA SATELLITE TOWN SUB DIVISION

3)Electrical Works — **Est.Cost.Rs. 34143**

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			PART A : INTERNAL WIRING SYSTEM				
1	Pg 2	Item 1.2	**Concealed Conduit System - Supplying 20/25/32 mm dia 2mm thick confirming to IS 2506 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary**				
a	Pg 2	Item 1.2.1	19/20mm dia, 2mm thick	Rmt	140	40.00	5600
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Rmt	131	53.00	6943
c	Pg 2	Item 1.2.3	32mm dia, 2mm thick	Rmt	111.8	83.00	9279.4
2	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rmt	68.85	51.00	3511.35
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rmt	59.85	54.00	3231.9
c	Pg 2	Item 1.3.3	32mm dia, 2mm thick	Rmt	68.85	81.00	5576.85
						GRAND TOTAL	**34142.5**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on PWD Elecrical 2019-20 and Approved rate.

Assistant Engineer
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT: CONSTRUCTION OF PARKING LOT AT 16TH A MAIN, A SECTOR AND 16TH B IN WARD NO:04 YELAHANKA SATELLITE TOWN SUB DIVISION

Est.Cost.Rs. 15000000

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 202 page no 139 item no 18.20								
	dismantling cement concrete old parking (space b/w toilet room and park)								
	rectangle shape	cum	1	76.5	8.1	0.2	123.93		
	triangle	cum	1	20	2.38	0.2	9.52		
	triangle	cum	1	20	0.6	0.2	2.40		
	triangle	cum	1	5	1.67	0.2	1.67		
	rectangle shape	cum	1	1.67	10	0.2	3.34		
	triangle	cum	1	8.25	1.67	0.2	2.76		
	new parking (b/w park and temple								
	rectangle shape	cum	1	49.84	7.8	0.2	77.75		
	triangle	cum	1	24.92	0.6	0.2	2.99		
	Basic rate							390.00	
	Area weightage 6%							23.40	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**224.36**	**483.20**	**108408.96**
2	KSRRB M200-15.2. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 page 140 item no 18.27								
	DISMANTLING OF SSM								
	SSM from toilet room corner to new parking end	cum	1	281.69	0.5	0.75	105.63		
	sides of park b/w old parking and new parking	cum	2	5.5	0.5	0.75	4.13		
	front side of park (footpath side)	cum	1	54.8	0.5	0.75	20.55		
	left side of temple	cum	1	8.4	0.5	0.75	3.15		
	Basic rate							351.00	
	Area weightage 6%							21.06	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total						**133.46**	**441.86**	**58970.08**
3	KSRRB M200-29. Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202 page no 141 item no18.54								
	Dismantling of fencing in park (b/w old parking and new parking)								
		m	1	323.6			323.60		
	Basic rate							66.00	
	Area weightage 6%							3.96	
	5Km lead & Lift= 57+(2*1.28*5)							69.80	
	Total								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Page no 6 item no 2.1								
	levelling and lowering for park area								
		cum	1	154.8	5	0.3	232.2		
								249.00	
								14.94	
	Basic rate							69.80	
	Area weightage 6%								
	5Km lead & Lift= 57+(2*1.28*5)						232.20	333.74	77494.43
	Total								
5	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 page no 147 item no19.60								
	Construction of embankment								
	IN CAR PARKING								
	old parking (space b/w toilet room and park)								
	rectangle shape	cum	1	76.5	8.1	0.3	185.90		
	triangle	cum	1	20	2.38	0.3	14.28		
	triangle	cum	1	20	0.6	0.3	3.60		
	triangle	cum	1	5	1.67	0.3	2.51		
	rectangle shape	cum	1	1.67	10	0.3	5.01		
	triangle	cum	1	8.25	1.67	0.3	4.13		
	new parking (b/w park and temple)								
	rectangle shape	cum	1	49.84	7.8	0.3	116.63		
	triangle	cum	1	24.92	0.6	0.3	4.49		
	park and footpath area								
		cum	1	155.8	7.8	0.3	364.57		
	Basic rate							325.00	
	Area weightage 6%							19.50	
	Total						**701.11**	**344.50**	**241531.17**
6	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 13/I.No. 4.2 of CSR 2018-19)								
	PCC1:3:6 (M10)								
	old parking (space b/w toilet								
	rectangle shape	cum	1	76.5	8.1	0.15	92.95		
	triangle	cum	1	20	2.38	0.15	7.14		
	triangle	cum	1	20	0.6	0.15	1.80		
	triangle	cum	1	5	1.67	0.15	1.25		
	rectangle shape	cum	1	1.67	10	0.15	2.51		
	triangle	cum	1	8.25	1.67	0.15	2.07		
	new parking (b/w park and								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	park and footpath area								
		cum	1	155.8	7.8	0.15	182.29		
	PCC (M10) for gril work for car parking (from toilet to temple) BELOW SSM								
	back side	cum	1	289.69	1.1	0.15	47.80		
	temple side ssm	cum	1	9.7	1.1	0.15	1.60		
	toilet room side	cum	1	10.1	1.1	0.15	1.67		
	front side	cum	1	289.72	1.1	0.15	47.80		
								5194.00	
	Basic rate							311.64	
	Area weightage 6%						449.42	5505.64	2474360.56
	Total								
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	PCC M20								
	old parking (space b/w toilet room and park)								
	rectangle shape	cum	1	76.5	8.1	0.1	61.97		
	triangle	cum	1	20	2.38	0.1	4.76		
	triangle	cum	1	20	0.6	0.1	1.20		
	triangle	cum	1	5	1.67	0.1	0.84		
	rectangle shape	cum	1	1.67	10	0.1	1.67		
	triangle	cum	1	8.25	1.67	0.1	1.38		
	new parking (b/w park and temple								
	rectangle shape	cum	1	49.84	7.8	0.1	38.88		
	triangle	cum	1	24.92	0.6	0.1	1.50		
	park and footpath area								
		cum	1	155.8	7.8	0.1	121.52		
	for car parking gril work								
	back side	cum	1	289.69	0.6	0.15	26.07		
	temple side ssm	cum	1	9.7	0.6	0.15	0.87		
	toilet room side	cum	1	10.1	0.6	0.15	0.91		
	front side	cum	1	289.72	0.6	0.15	26.07		
	For Grill Pole								
	for car parking gril work								
	back side	cum	76	0.45	0.6	0.6	12.312		
	Basic rate							5328.00	
	Area weightage 6%							319.68	
	Total						299.94	5647.68	1693982.36
8	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 page no 6 item no 2.3								
	excavation for gril work								
	for car parking								
	for car parking (from toilet to								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	front side	cum	1	289.72	1.1	1.05	334.63		
								299.00	
	Basic rate							17.94	
	Area weightage 6%							69.80	
	5Km lead & Lift= 57+(2*1.28*5)						692.09	386.74	267657.94
	Total								
9	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 page no 25 item no 5.6								
	SSM for car parking gril work (from toilet to temple)								
	back side	cum	1	289.69	0.9	0.9	234.65		
	temple side ssm	cum	1	9.7	0.9	0.9	7.86		
	toilet room side	cum	1	10.1	0.9	0.9	8.18		
	front side	cum	1	289.72	0.9	0.9	234.67		
								4596.00	
	Basic rate							275.76	
	Area weightage 6%						485.36	4871.76	2364557.92
	Total								
10	KSRB 5.4-4 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 Pg No 25 item No 5.13								
	SSM for car parking gril work (from toilet to temple)								
	back side	cum	1	289.69	0.6	0.6	104.29		
	temple side ssm	cum	1	9.7	0.6	0.6	3.49		
	toilet room side	cum	1	10.1	0.6	0.6	3.64		
	front side	cum	1	289.72	0.6	0.6	104.30		
	Deduction								
	For Grill Pole								
	for car parking gril work								
	back side	cum	76	0.45	0.6	0.6	-12.312		
								6005.00	
	Basic rate							360.30	
	Area weightage 6%						203.40	6365.30	1294724.94
	Total								
11	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting griding with lead and lift as per specifications including loading and unloading with cost and conveyance of all materials labour machinery and incidental charges for the successful completion of the work as per direction of engineer in charge of work								
	gril works (for car parking)								
	back side	sqm	1	223.5		1.8	402.30		
								9144.14	
	Data Rate						402.30	9144.14	3678687.52
	Total								

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
12	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other.								
	gates in Car parking(one entry and one exit)	sqm	2	5		2.4	24		
								12475.03	
	Data Rate						24.00	12475.03	299400.72
	Total						Grand Total		12605002.94
							DPR Charges (1% of estimated cost)		126050.03
							Project management And Consultancy Charges(1% of estimated cost)		126050.03
							Tender Premium (5% of Estimated Cost)		630250.15
							GST Charges (12% of estimated cost)		1512600.35
							Miscellenious and rounding		46.50
							Total Amount		15000000.00

CERTIFICATE:

1) The work spot has been inspected and found to be necessary

2) The work spot comes under B.B.M.P

3) The provisions made in the estimate are necessary and minimum.

4) The estimate is based on C.S.R of 2018-2019 and approved rates.

Assistant Engineer
BBMP

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ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-೧೦೮

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